

WHAT IS CLAIMED IS:

1. A driving circuit for solving color dispersion, implemented in a flat panel display with a plurality of display cells, the driving circuit comprising:

5 a coding unit, to generate a plurality of coded data according to a plurality of characteristic curves;

 a reference voltage generator, to receive the coded data, convert the coded data from digital to analog, and generate a plurality of reference voltages; and

10 a driving unit, to receive the reference voltages and accordingly drive the display cells.

2. The driving circuit as claimed in claim 1, wherein the reference voltage generator further comprises a plurality of digital-to-analog converters for digital to analog conversion.

15 3. The driving circuit as claimed in claim 2, wherein the digital-to-analog converters input the coded data through sample/latch.

 4. The driving circuit as claimed in claim 2, wherein each digital-to-analog converter inputs the coded data through a plurality of control signal lines.

20 5. The driving circuit as claimed in claim 1, wherein the reference voltage generator further comprises:

 a plurality of sample/latch circuits, to receive the encoded data and apply the encoded data received to sample/latch processing for output;

 a plurality of digital-to-analog converters, each having a plurality of

control signal lines to perform digital to analog conversion according to the encoded data which is outputted by the sample/latch circuit and received by the control signal lines, thereby obtaining the reference voltages; and

5 a plurality of buffers, to receive the reference voltages, enhance their output amplitudes, and output the reference voltages enhanced to data drivers.

6. The driving circuit as claimed in claim 1, wherein the plurality of characteristic curves are Gamma curves respectively for three primary colors R, G, B.

10 7. The driving circuit as claimed in claim 1, wherein the driving unit is a data driver.

8. The driving circuit as claimed in claim 1, wherein positive and negative polarities of the characteristic curves respectively have a plurality of selection voltages, each having a range of operating voltage.